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File: JPAB

May 28, 1993

PUB-NO: JP405132740A

DOCUMENT-IDENTIFIER: JP 05132740 A

TITLE: PRODUCTION OF HOT-DIP GALVANIZED STEEL SHEET FOR DEEP DRAWING EXCELLENT IN
PITTING CORROSION RESISTANCE

PUBN-DATE: May 28, 1993

INVENTOR-INFORMATION:

NAME

COUNTRY

HAMANAKA, SEIICHI

FUJIWARA, SUSUMU

MUNESHITA, MIKIO

YAMADA, TOSHIRO

INT-CL (IPC): C22C 38/00; C22C 38/54; C23C 2/02; C23C 2/06; C25D 3/20; C25D 5/26

ABSTRACT:

PURPOSE: To produce a hot-dip galvanized steel sheet for deep drawing improved in deep drawability and pitting corrosion resistance.

CONSTITUTION: A slab of a steel having a composition consisting of, by weight, ≤0.02% C, ≤1.5% Si, 0.05-1.8% Mn, 0.03-0.20% P, ≤0.015% S, 0.05-1.5% Cu, 0.005-0.100% solAl, ≤0.005% N, 0.005-0.15% Ti, further one or ≤2 kinds among 0.005-0.15% Nb, ≤1% Ni, ≤3% Mo, and ≤7% Cr, and the balance iron with inevitable impurities is hot-rolled, pickled, and cold-rolled. Subsequently, the resulting steel sheet is annealed at 700-950°C and galvanized by means of a continuous hot-dip galvanizing line or is iron-plated by means of a continuous electroplating line and then annealed at 700-950°C and galvanized by means of a continuous hot-dip galvanizing line.

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